

Sri Hrushikesh Varma Bhupathiraju

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EDUCATION

Doctor of Philosophy, PhD, Computer Science University of Florida, Gainesville	May 2025
Master of Science, Computer Science University of Florida, Gainesville	May 2021
B. Tech, Electronics, and Communication Engineering B.V. Raju Institute of Technology, India	May 2019

RESEARCH EXPERIENCE

Florida Institute of Cybersecurity Research (FICS), UF. Supervisor: Dr. Sara Rampazzi, CISE Department.	Jan 2021 - Present
Davis Cancer Research Center, UF Health. Supervisor: Dr. Sanjiv Samant, Radiation Oncology.	Dec 2020-Aug 2021
Modern Artificial Intelligence and Learning Technologies Lab, UF. Supervisor: Dr. Sanjay Ranka, CISE Department.	Aug 2020-Dec 2020
Artificial Intelligence and Machine Learning Lab, BVRIT. Supervisor: Dr. Sanjay Dubey, ECE Department.	Jan 2018 -May 2019

TEACHING EXPERIENCE

Cyber-Physical System Security, Graduate Teaching Assistant, UF. Supervisor: Dr. Sara Rampazzi, CISE Department.
Digital Image Processing, Undergraduate Teaching Assistant, BVRIT. Supervisor: Dr. Syed Abudhagir Umar, ECE Department.

PUBLICATIONS

[NDSS '24] Takami Sato*, **Sri Hrushikesh Varma Bhupathiraju***, Michael Clifford, Takeshi Sugawara, Qi Alfred Chen, and Sara Rampazzi, "Invisible Reflections: Leveraging Infrared Laser Reflections to Target Traffic Sign Perception." (* denotes co-first).

[IEEE S&P '24] Jennifer Sheldon, Weidong Zhu, Adnan Abdullah, **Sri Hrushikesh Varma Bhupathiraju**, Takeshi Sugawara, Kevin R. B. Butler, Md Jahidul Islam, and Sara Rampazzi. "AquaSonic: Acoustic Manipulation of Underwater Data Center Operations and Resource Management."

[VehicleSec '24] **Sri Hrushikesh Varma Bhupathiraju**, Takami Sato, Michael Clifford, Takeshi Sugawara, Qi Alfred Chen, and Sara Rampazzi. "Short: On the Vulnerability of Traffic Light Recognition Systems to Laser Illumination Attacks."

[Phys. Med. Biol. '24] Jingxi Weng, **Sri Hrushikesh Varma Bhupathiraju**, Thomas Samant, Alex Dresner, Jian Wu, Sanjiv S Samant. "Convolutional LSTM model for cine image prediction of abdominal motion."

[ACM WiSec '23] **Sri Hrushikesh Varma Bhupathiraju**, Jennifer Sheldon, Luke A. Bauer, Vincent Bindschaedler, Takeshi Sugawara, and Sara Rampazzi. "EMI-LiDAR: Uncovering Vulnerabilities of LiDAR Sensors in Autonomous Driving Setting Using Electromagnetic Interference."

[VehicleSec '23] Takami Sato*, **Sri Hrushikesh Varma Bhupathiraju***, Michael Clifford, Takeshi Sugawara, Qi Alfred Chen, and Sara Rampazzi. "WIP: Infrared Laser Reflection Attack Against Traffic Sign Recognition Systems." (* denotes co-first).

[USENIX '23] Yulong Cao, **Sri Hrushikesh Varma Bhupathiraju**, Pirouz Naghavi, Takeshi Sugawara, Z. Morley Mao and Sara Rampazzi. "You Can't See Me: Physical Removal Attacks on LiDAR-based Autonomous Vehicles Driving Frameworks."

[AAPM '23] Jingxi Weng, Mohammad Anas, **Sri Hrushikesh Varma Bhupathiraju**, Thomas Samant, Alex Dresner, Jian Wu, Sanjiv S Samant. "Organ-Specific Abdominal Motion Prediction Using Deep Learning with Cine-MRI."

AWARDS

- ETAS Best Short Paper Award, VehicleSec '23.

- DENSO Best Demo Award, VehicleSec '23.
- Student Travel Grant Award, USENIX '23.
- Student Travel Grant Award, ACM WiSec '23.
- Student Travel Grant Award, VehicleSec '23, '24.